EnviroBiomics.Inc
Because Health Matters

ERMI Analytical Test Report

Client:

Sampled By

Project Name:

Date of Sampling:

Sep 02, 2025

Reference No. **P.O.**

Sample Type:

Swiffer Kit

Status

Non Available

Sample Location:

Office , Bedroom , Living Room

Date Samples Received:

Sep 08, 2025

Date of Report:

Sep 12, 2025

EB Code **Class N°** **Check N°**

The samples collected by the client were referred under the chain of custody to our laboratory for analysis and reporting. The samples received were labeled, and their condition on receipt was intact. Per our Terms & Conditions, this document and its contents are intended for the Addressee only and not for general publication without written consent.

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Group 1: Water Damage Molds

Species	SE/mg	Level	Q
Aspergillus flavus/oryzae	14	*	Q3
Aspergillus fumigatus	20	*	**Q4**
Aspergillus niger	214	*	Q3
Aspergillus ochraceus	165	*	**Q4**
Aspergillus penicillioides	61		Q2
Aspergillus restrictus	N.D		Q1
Aspergillus sclerotiorum	N.D		Q1
Aspergillus sydowii	993	* *	**Q4**
Aspergillus unguis	7		Q2
Aspergillus versicolor	216	*	Q3
Aureobasidium pullulans	4,460	*	**Q4**
Chaetomium globosum	360	* *	**Q4**
Cladosporium sphaerospermum	2		Q1
Eurotium (Asp.) amstelodami	1,591	*	**Q4**
Paecilomyces variotii	14		Q3
Penicillium brevicompactum	157	*	Q3
Penicillium corylophilum	14		Q2
Penicillium crustosum	118	*	Q3
Penicillium purpurogenum	6		Q2
Penicillium Spinulosum	N.D		Q1
Penicillium variabile	7		Q2
Scopulariopsis brevicaulis/fusca	98	*	**Q4**
Scopulariopsis chartarum	26		**Q4**
Stachybotrys chartarum	24	*	**Q4**
Trichoderma viride	69	*	**Q4**
Wallemia sebi	59		Q3
Sum of logs G1		**41.2**	

Group 2: Common Indoor Molds			
Species	**SE/mg**	**Level**	**Q**
Acremonium strictum	18		Q3
Alternaria alternata	135		**Q4**
Aspergillus ustus	81	*	**Q4**
Cladosporium cladosporioides1	1,161		Q2
Cladosporium cladosporioides2	10		Q2
Cladosporium herbarum	2,524	*	**Q4**
Epicoccum nigrum	231		Q2
Mucor amphibiorum	544	*	**Q4**
Penicillium chrysogenum	4,206	* *	**Q4**
Rhizopus stolonifer	155	*	**Q4**
Sum of logs G2			**23.7**
Sample Size 5.0 mg	**ERMI Results = (G1-G2)**		**17.6**

Q = Quartile (Q1 Q2 Q3 Q4)

SE = Spore Equivalents
SE/mg = SE/miligrams of sample
Logs = Logarithms
ND = None Detected

( ) Normal
(*) 10 fold higher than normal.
(**) 100 fold higher than normal.
(***) 1,000 fold higher than normal.

The Geotrichum candidum value was less than 19.5 Ct, indicating that no inhibition was present in the sample.

COMMENTS

The table shows the Spore Equivalent per milligram (SE/mg) detected for each of the 36 environmental molds analyzed.
The stars symbols on table above highlights the main molds (DNAs) detected in this report, which were selected based on their value being higher than ten fold (*), 100 fold (**) and 1,000 folds (***) of the geometric mean of the corresponding mold on the 2021 USA survey of molds.
ERMI score was developed by the US government for environmental mold safety (mold related asthma) and the score table is a general recommendation.

For patients with CIRS condition, in general, an ERMI score of 2 or less is considered safe. For more information please consult with your doctor and an Indoor environmental professional for the best advice on how to interpret the results.

Quartiles Distributions

Q4 is considered the most elevated value in a large data distribution and needs further attention. Q1 and Q2 are below average, Q3 is slightly above average. Q levels were determined using 5000 samples all over the USA

The interpretation was made with reference to the following table:	ERMI Score	17.6

Level	ERMI Values	Interpretation	Comment
Q 1	Less than - 4	Low Relative Moldiness Index	Further investigation is not needed to determine the sources of the mold.
Q 2	-4 to < 0	Low - Medium Relative	Further investigation may be needed to determine the sources of the mold if occupants have been reactive, sensitized, genetically predisposed or otherwise immuno-compromised.
Q 3	0 to < 5	Medium- High Relative	
Q 4	5 to < 20	High Relative Moldiness Index	Source and cause of mold should be determined and remediation undertaken, reducing the ERMI to levels below Q2.
	> 20	Very High Relative	

According to Vesper [9] ERMI Scores have a Standard Deviation (S.D.) of +/-3 and should be assessed with this in mind.

Further assessment was performed by calculating the HERTSMI-2 score from this data, which was found to be:

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HERTSMI-2 Species	Spore E./mg		Weighting	Q
Aspergillus penicillioides	61		4	Q2
Aspergillus versicolor	216	*	6	Q3
Chaetomium globosum	360	* *	10	**Q4**
Stachybotrys chartarum	24	*	4	**Q4**
Wallemia sebi	59		0	Q3
Sample Size	**5.0**	**mg**	**HERTSMI-2 Score =**	**24**

Color-coded interpretation	
If 10 or below	In only 1.7% of cases, re-occupancy of building following mold remediation has led to relapse of CIRS-WDB symptoms
If between 11 to 15	Borderline. Further remediation and re-assessment is indicated
If greater than 15	Re-occupancy is ill-advised until further remediation and re-assessment are conclusive.

ISO / IEC
17025: 2017

PJLA Testing
Acreditation Nro 115913 Certificate Nro 115913

ERMI U.S. E.P.A.
Sub-License Nro 801-14

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Genetically close-related species may be detected in the indicator assay.

As reported	Includes
Eurotium (Asp.) amstelodami	E. chevalieri, E. herbariorum, E. rubrum and E. repens.
Penicillium spinulosum	P. glabrum, P. lividum, P. pupurescens, and P. thomii.
Trichoderma viride	T. koningii and T. atroviride.
Aspergillus restrictus	A. caesillus and A. conicus.
Mucor amphibiorum	M. circinelloides, M. hiemalis, M. indicus, M. mucedo, M. racemosus, M. ramosissimus.
Rhizopus zygosporus	R. homothalicus, R. microsporus, R. oligosporus, R. oryzae.
Penicillium crustosum. (P. Group-2)	P. camembertii, P. commune, P. echinulatum, P. solitum.
Aspergillus niger	Know called Aspergillus brasiliensis
Scopulariopsis brevicaulis/fusca	Has been renamed as species of Microascus[10]
Wallemia sebi	W. mellicola, W. canadensis[11]

REFERENCES

"WHO Guidelines for Indoor Air Quality – Dampness and Mould", 2009 World Health Organization, Copenhagen, Denmark, ISBN 978 92 890 4168 3.

"Development of an Environmental Relative Mouldiness Index" Vesper S. et al, Occupational Env. Med. 2007,49:829-833.

Reference Geometric Mean data from J Occup Environ Hyg. 2021 January; 18(1): 35–41